Om Dusane

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PROFESSIONAL SUMMARY

Python Developer with strong experience in backend development, microservices, and full-stack web applications. Skilled in frameworks like Flask, FastAPI, and Django, with expertise in event-driven architecture (Kafka), workflow automation (Airflow), and cloud platforms (AWS, Azure). Proven ability to build scalable systems, design APIs, and manage production environments with a focus on clean, efficient, and reliable code.

TECHNICAL SKILLS

Frameworks: Flask, FastAPI, Django, DRF, Node, Express, Tensorflow, Bootstrap, Appwrite, React
Web Technologies: Apache Kafka, Apache Airflow
Languages: Python, JavaScript, C++
Database: PostgreSQL, MySQL, MongoDB
Cloud: Azure, AWS, Docker, Jenkins
Tools: Linux, Git, Postman

EXPERIENCE

Jr. Python Developer   Jul 2024 – Apr 2025
Psych X86 Technologies| Full Time   *Navi Mumbai / Hybrid*

- Designed and developed scalable microservices architecture for BPMN workflows using FastAPI, integrated Kafka event-driven pipelines, and automated processing with Airflow DAGs.
- Optimized PostgreSQL performance with bulk inserts, indexing, and materialized views, improving system responsiveness by 30%.
- Implemented secure authentication, authorization, async processing (Asyncpg, asyncio), and deployed services on Docker, EC2, and Nginx with SupervisorD for production stability.
- Delivered full backend solutions across projects like Advantus, Wishmasters (Django REST, PhonePe gateway), Dypatil Admissions (Flask, PayUmoney), Tata Neural HR (RAG, LLMs), and data scraping POCs.

Full Stack Python Developer   Jun 2022 – Jul 2024
PCE / Maharashtra Police | Freelance   *Remote*

- Developed 3 complete full-stack applications using Flask and Material Dashboard.
- Leveraged advanced Flask features such as Flask Blueprints, Flask-WTF, Flask-SQLAlchemy, and Flask-RESTful API.
- Implemented complex algorithms and database queries.
- Maintained and managed the production server, ensuring uptime and performance.

Cloud/DevOps Architect   Dec 2023 – Mar 2024
TCIA Global Pvt. Ltd. | Intern   *Remote*

- Managed customer environments in Public Cloud using Azure.
- Developed ARM templates for provisioning Azure VMs and storage accounts.
- Utilized various Azure services and Azure CLI for automation and management.
- Contributed to full-stack web app development using Flask.

EDUCATION

Pillai College of Engineering, New Panvel
Bachelor of Technology in Information Technology   *CGPA 8.9*

PROJECTS

Media Flagger | *Python, Flask, Tensorflow, CNN, Glove Embeddings*

- Developed a Flask web app for media file flagging based on its contents.
- Implemented automatic classification using CNN model
- Integrated GloVe embeddings for enhanced NLP tasks
- Enabled multilabel classification for precise media tagging

CarSearch | *Python, Django REST Framework, ORM, Postman*

- Developed a Django REST API for managing and searching car listings.
- Implemented JWT, Access tokens, Refresh tokens for user authentication.
- Utilized custom permissions, throttling, and validators
- Implemented pagination, routers, and generic views.

Attendence System | *Python, OpenCv,Tkinter*

- Developed an automated attendance system using OpenCV for facial recognition.
- Implemented automated attendance marking and data management
- Utilized Haar cascade classifier for face detection.
- Built a user-friendly GUI with Tkinter